

LICENSE NO: \_\_\_\_\_

DOCKET NO. (s) 30-5248, 30-9718  
70-1351  
40-8194

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ATTACHED

- Appendix A
- Appendix B
- Appendix C
- Memo

INSPECTION REPORT NO. 85-01  
Dept. of Army ERADCOM  
Fort Monmouth, New Jersey

LICENSEE CONTACT: Scott Davis, RSO Telephone No: 201-544-5292

|                                    |                   |                    |
|------------------------------------|-------------------|--------------------|
| LICENSE NO: <u>29-01022-(06)10</u> | CATEGORY <u>E</u> | PRIORITY: <u>3</u> |
| <u>SNM-1323</u>                    | CATEGORY <u>E</u> | PRIORITY: <u>3</u> |
| <u>SUB-1183</u>                    | CATEGORY <u>E</u> | PRIORITY: <u>3</u> |

INSPECTION DATE (s): Jan, 22-23, 1985 TYPE OF INSPECTION:

|  |   |
|--|---|
| <input type="checkbox"/> SPECIAL             | <input type="checkbox"/> ANNOUNCED              |
| <input checked="" type="checkbox"/> ROUTINE  | <input checked="" type="checkbox"/> UNANNOUNCED |
| <input checked="" type="checkbox"/> DAYSHIFT |   |
| <input type="checkbox"/> OTHER               |   |

SUMMARY OF FINDINGS AND ACTION

- |   |   |
|---|---|
| <input type="checkbox"/> NO NONCOMPLIANCE, CLEAR 591 ISSUED                         | <input type="checkbox"/> ACTION ON PREVIOUS NONCOMPLIANCE, APPENDIX B |
| <input type="checkbox"/> NO NONCOMPLIANCE, LETTER                                   | <input checked="" type="checkbox"/> NONCOMPLIANCE, 591 ISSUED         |
| <input checked="" type="checkbox"/> NONCOMPLIANCE, APPENDIX A <i>for or license</i> | <input checked="" type="checkbox"/> SUPPLEMENTAL INFO, APPENDIX C     |

RECOMMENDATIONS  
SEE BASIS IN APPENDIX C

|  |  |
|--|--|
| <input type="checkbox"/> CHANGE CATEGORY TO: _____             | <input type="checkbox"/> CHANGE PRIORITY TO: _____ |
| <input type="checkbox"/> NEXT INSPECTION DATE: <u>Jan 1988</u> |  |

PERSONS CONTACTED

S. Davis, RSO

R. Kase, Chief Safety ERADCOM

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

INSPECTOR: Claude Rowe

APPROVED: J. Costello for (K)

~~August 1985~~ AA/74

2-27-85

INSPECTION PLAN AND REPORT NUMBER \_\_\_\_\_ Page \_\_\_\_\_ of \_\_\_\_\_

Plan Approved: \_\_\_\_\_ Date: \_\_\_\_\_

Licensee: \_\_\_\_\_ License No. \_\_\_\_\_

| Inspection Items   | Scheduled for Inspection | Post Inspection Status | Module No. |
|--|--------------------------|------------------------|------------|
| Management Meeting - Entrance<br>and Exit Interviews<br><br>(Required) |                          |                        | 30703B     |
| Program Requirements,<br><br>MC 2850<br><br>(Required)                 |                          |                        | 77710B     |
| Followup on Noncompliance<br>and Deviations                            |                          |                        | 92702B     |
| Independent Inspection<br>Effort<br><br>(Required)                     |                          |                        | 92706B     |
| Transportation   |                          |                        | 86740B     |

AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License No: \_\_\_\_\_ Amendment No: \_\_\_\_\_

| INSPECTION ITEMS   | CRITERIA       | FINDING  |
|--|----------------|----------|
| 1. <u>Organization</u>   | Lic Cond _____ | <u>C</u> |
| Management organization?<br>Radiation Protection Organization?<br>Scope of Operation?<br>NOTES & REMARKS:  |                |          |
| 2. <u>Licensee Internal Audits</u>   | Lic Cond _____ | <u>C</u> |
| Scope and frequency?<br>Management controls?<br>NOTES & REMARKS:   |                |          |
| 3. <u>Training and Instructions to Employees</u>   | Lic Cond _____ | <u>C</u> |
| Training program, scope and frequency, retraining?<br>Required tests administered; scores satisfactory?<br>Instructions to workers? 19.12<br>NOTES & REMARKS:            |                |          |
| 4. <u>Radiation Protection Procedures</u>  | Lic Cond _____ | <u>C</u> |
| Operating & emergency procedures implemented?<br>Security? 20.207<br>NOTES & REMARKS:  |                |          |
| 5. <u>Materials, Facilities and Instruments</u>  | Lic-Cond _____ | <u>C</u> |
| Authorized uses and quantities?<br>Restricted areas, posting requirements? 20.203<br>Survey instruments & dosimeters; operable, properly calibrated?<br>NOTES & REMARKS: |                |          |

## AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License No: \_\_\_\_\_ Amendment No: \_\_\_\_\_

| INSPECTION ITEM   | CRITERIA                                    | FINDING  |
|---|---|----------|
| <b>6. <u>Receipt and Transfer of Materials</u></b>                                |   |          |
| Procedures implemented, adequate?   | 20.205, 71.51                               | <u>C</u> |
| Transfer of byproduct material?   | 30.41                                       |          |
| Control of source material,   | 40.51, 40.64, 70.42,<br>70.51, 70.53, 70.54 |          |
| Labeling and packaging?   | 71.5, 49CFR 170-189                         |          |
| Records of receipt, transfer, storage, survey,<br>and monitoring?                 | 30.51                                       |          |
| Procedures for pickup, receipt, monitoring<br>of packages?                        | 20.205(b)&(c)                               |          |
| NOTES & REMARKS:  |   |          |
| <hr/>   |   |          |
| <b>7. <u>Personnel Protection - External</u></b>                                  |   |          |
| Personnel monitoring control; minimize<br>exposures, control of accumulated dose? | 20.101, 201.102, 20.202                     | <u>C</u> |
| Surveys conducted, adequate?  | 20.201                                      |          |
| Records of monitoring, surveys, disposals?  | 20.401, Lic Cond _____                      |          |
| Levels in unrestricted areas?   | 20.1, 20.105                                |          |
| NOTES & REMARKS:  |   |          |
| <hr/>   |   |          |
| <b>8. <u>Personnel Protection - Internal</u></b>                                  |   |          |
| Airborne concentrations in restricted areas?                                      | 20.103                                      | <u>C</u> |
| Exposure of minors?   | 20.104                                      |          |
| Posting of airborne radioactivity areas?  | 20.203                                      |          |
| Survey, monitoring bioassay requirements; records?                                | 20.201, 20.401                              |          |
| Leak tests of sealed sources?   | Lic Cond _____                              |          |
| NOTES & REMARKS:  |   |          |

## AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License No: \_\_\_\_\_ Amendment No: \_\_\_\_\_

| INSPECTION ITEM  | CRITERIA                          | FINDING  |
|--|-----------------------------------|----------|
| <u>9. Effluent Control, Waste Disposal</u>                                   |                                   |          |
| Release of effluents?  | 20.106                            | <u>C</u> |
| Waste disposal, proper packaging for shipment?                               | 20.301, 20.303, 20.304, 20.305    |          |
| Procedures, records?   | 20.401, Lic Cond _____            |          |
| NOTES & REMARKS:   |                                   |          |
| <u>10. Transportation</u>  |                                   |          |
| Management controls, audits?   |                                   | <u>C</u> |
| Selection of packaging?  | 49 CFR 173.393-5; 10 CFR 71       |          |
| Preparation of packages for shipment? Filling and loading, closing, liquids? | 49 CFR 172, 173<br>49 CFR 172.300 |          |
| Markings & labelling?  | 49 CFR 172.402, 403               |          |
| Monitoring?  | 49 CFR 173.393                    |          |
| Shipping papers, loading and placarding of vehicles?                         | 49 CFR 172.200                    |          |
| Reports of incidents?  | 49 CFR 171.15, 171.16             |          |
| Training program?  |                                   |          |
| Examination of packages?   |                                   |          |
| NOTES & REMARKS:   |                                   |          |
| <u>11. Notifications and Reports</u>   |                                   |          |
| To individuals?  | 19.13                             | <u>C</u> |
| Overexposures, excessive levels and concentrations, incidents?               | 20.403, 20.405                    |          |
| Personnel exposures and monitoring, termination reports?                     | 20.407, 20.408                    |          |
| Theft or loss of licensed materials?   | 20.402                            |          |
| NOTES & REMARKS:   |                                   |          |

## AREAS INSPECTED AND FINDINGS

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| INSPECTION ITEM  | CRITERIA       | FINDING  |
|--|----------------|----------|
| 12. <u>Posting of Notices</u>  |                | <u>C</u> |
| Part 20, license & documents, procedures,<br>notice of violations?           | 19.11(a)       |          |
| NRC-3?   | 19.11(c)       |          |
| NOTES & REMARKS:   |                |          |
| 13. <u>Environmental Monitoring Program</u>                                  | Lic Cond _____ | <u>C</u> |
| Implementation of program, scope and frequency<br>as required?               |                |          |
| Records maintained, reviewed by management?                                  |                |          |
| NOTES & REMARKS:   |                |          |
| 14. <u>Emergency Preparedness</u>  | Lic Cond _____ | <u>C</u> |
| Procedures available for incidents and accidents?                            |                |          |
| Training for personnel; coordination with supporting<br>groups and agencies? |                |          |
| NOTES & REMARKS:   |                |          |
| 15. <u>Other License Conditions</u>  |                | <u>C</u> |
| NOTES & REMARKS:   |                |          |

AREAS INSPECTED AND FINDINGS

Licensee: \_\_\_\_\_ License No: \_\_\_\_\_ Amendment No: \_\_\_\_\_

| INSPECTION ITEM | CRITERIA | FINDING |
|-----------------|----------|---------|
|-----------------|----------|---------|

16. Confirmatory Measurements

C

Licensee's surveys verified on sampling basis? 201.105, 20.201

NOTES & REMARKS:

NRC Instrument: # 6314 Calibration due date: 1-29-85

17. Independent Inspection Effort

C

1. Radiation Levels - surveys in uncontrolled areas
2. test of alarms at calibration facility
3. Discussion of waste shipment Part 20.311 requirements

NOTES & REMARKS:

INSPECTION REPORT NUMBER \_\_\_\_\_

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APPENDIX A - DOCUMENTATION OF NONCOMPLIANCE

Licensee: \_\_\_\_\_

License No: \_\_\_\_\_

| Reference   | Basis for noncompliance |
|---|-------------------------|
| Report item _____<br>10 CFR _____<br>Lic Cond _____<br>Type n/c _____ |                         |
| Report item _____<br>10 CFR _____<br>Lic Cond _____<br>Type n/c _____ |                         |
| Report item _____<br>10 CFR _____<br>Lic Cond _____<br>Type n/c _____ |                         |
| Report item _____<br>10 CFR _____<br>Lic Cond _____<br>Type n/c _____ |                         |
| Report item _____<br>10 CFR _____<br>Lic Cond _____<br>Type n/c _____ |                         |
| Report item _____<br>10 CFR _____<br>Lic Cond _____<br>Type n/c _____ |                         |



INSPECTION REPORT NUMBER \_\_\_\_\_

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APPENDIX C - SUPPLEMENTARY INFORMATION

Licensee: \_\_\_\_\_

License No: \_\_\_\_\_

- Uncorrected/repeated noncompliance
- Unusual occurrence, conditions, etc
- Basis for change of Category or Priority

- Unresolved items
- Inspector's comments

- Material possessed under license #'s SNM-1323 and SUB-1183 in storage. Locked storage area 29-01022-10 authorizes storage only pool irradiator
- Co-60 Not being used but license is considering amendment to allow use
- Sealed sources for calibration maintained under 29-0122-06 license, calibration range equipped with audible & visible alarms. Little use under this license except calibrators.
- Licensee is decontaminating facility at Bataan National Park in Sandy Hook, N.J.. H-3 contamination from neutron generator used at facility. Minimal contamination. Licensee made aware of necessity to submit close-out survey and request for unconditional release.